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**REMARKS**

Reconsideration of the application in view of the present amendment is respectfully requested.

Claims 60-63 are canceled. New claim 65 has been added. Accordingly, claims 51-59, 64 and 65 are pending.

**Claim objections**

Examiner objected to claim 59 because of a lack of an indentation at line 10. Claim 59 has now been amended to include the indentation. Applicant noticed that claim 55 also lacked some indentations. Accordingly, claim 55 has also been amended to include correct indentations.

**Claim rejections under §112**

Applicant notes that the examiner rejected claims 51, 55, 58, and 64 based on §112. Applicant has amended these claims based on the examiner's proposed language, so that the relevant element in each claim recites "(i) a ratio of emission intensities at a plurality of pre-determined wavelengths of the doped glass or plastic particle, and (ii) an emission lifetime at one of the plurality of pre-determined wavelengths which is different to an emission lifetime at another of the plurality of pre-determined wavelengths".

With respect to claim 58, applicant has clarified this claim by replacing "particle" with "carrier" at lines 5, 6, and 9, and by deleting the step of "incorporating the plurality of rare earth dopants into the glass or plastic carrier" as suggested by the examiner. However, applicant has retained the word "particle" at (previous) lines 12 and 13 because the glass or plastic carrier may or may not be a particle, however, the creating step refers to creating a doped particle.

New claim 65 has been added, which is similar to claim 51, but the words "glass or plastic particle" have been replaced with "silicon dioxide based particle".

Allowance of claim 59 is hereby acknowledged.

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The applicant would like to thank the examiner for providing helpful comments for overcoming the objections and rejections.

In view of the foregoing, it is submitted that the application is in condition for allowance, and allowance of the application is respectfully requested.

Respectfully submitted,



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